

ABSTRACT

Artificial intervertebral disc, comprising a nucleus of flexible material with the shape of a flattened body, with a lower and an upper side connected by a lateral surface, having a rounded – preferably circular or ellipsoid – shape, around  
5 which at least substantially radially oriented windings of a traction-resistant fibre have been applied. The fibres have a tensile strength of at least 1 GPa and a modulus of at least 10 GPa.